

Table 1. Summary of mechanisms by which neutrophils can recognize/bind to pathogen prior to phagocytosis.

Neutrophil receptor	PAMP¹ or Ligand	Comment
CD14	lipopolysaccharide	direct binding to pathogen
CD18	lipopolysaccharide	direct binding to pathogen
TLR2	lipoprotein, peptidoglycan, lipotechoic acid	direct binding to pathogen
TLR3	virus-derived double-stranded RNA	direct binding to pathogen
TLR4	lipopolysaccharide	direct binding to pathogen
TLR5	Flagellin	direct binding to pathogen
TLR7/8	Small synthetic anti-viral molecules	direct binding to pathogen
TLR 9	unmethylated CpG DNA	direct binding to pathogen
C3b/C3bi	Complement factors	binds opsonized pathogen
Fc	“constant region” of antibodies	binds opsonized pathogen

1- PAMP: Pattern-associated molecular pattern